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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 7892 (1975): Retractor, Double and Single, Blunt Hooks
[MHD 1: Surgical Instruments]

“ज्ञान से एक नये भारत का निर्माण”

Satyanaaranay Gangaram Pitroda

Invent a New India Using Knowledge



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartṛhari—Nītiśatakam

“Knowledge is such a treasure which cannot be stolen”



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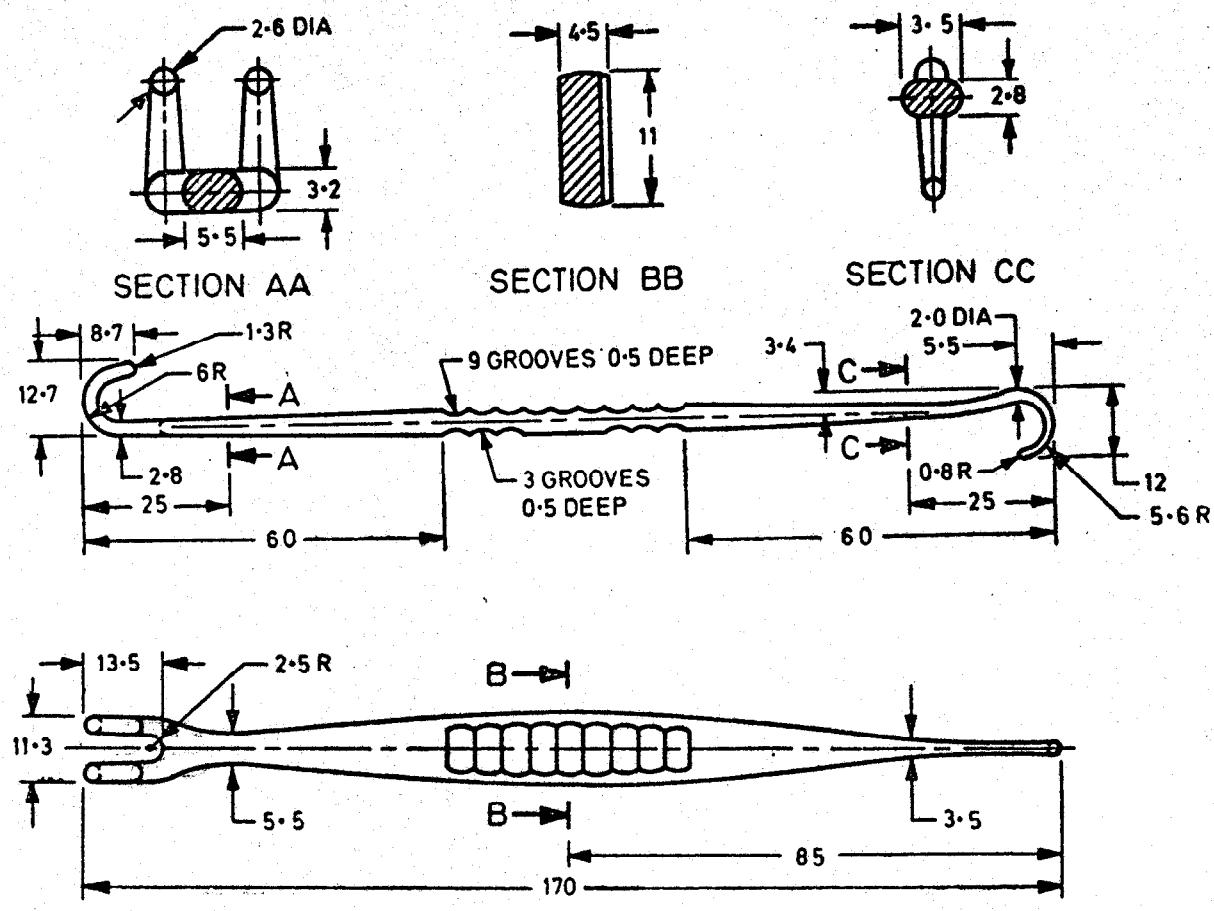


Indian Standard

SPECIFICATION FOR RETRACTOR, DOUBLE AND SINGLE, BLUNT HOOKS

1. Scope — Covers dimensional and other requirements for double and single blunt hooks retractor used for general surgery.

2. Shape and Dimensions — As shown in Fig. 1.



All dimensions in millimetres.

FIG. 1 RETRACTOR, DOUBLE AND SINGLE, BLUNT HOOKS

2.1 Deviation of ± 2.5 percent shall be allowed on all dimensions.

3. Material — Stainless steel conforming to Designation 20Cr13 or 30Cr13 of IS : 6603-1972 'Specification for stainless steel bars and flats'.

4. Workmanship and Finish

4.1 The tips of the hook shall be blunt and well rounded off. All the surfaces shall be smooth and the edges shall be even. The instrument shall be free from pits, cracks, burrs and other surface defects.

4.2 The retractor shall be polished bright and passivated.

5. Heat Treatment — The retractor shall be hardened and tempered to give a hardness of 380 to 430 HV.

6. Tests

6.1 Flexibility — Hold the retractor in a vice at its middle in vertical position with the single hook pointing downwards. Suspend a weight of 15 kg from the tip of the hook. The maximum force shall gradually be attained and shall act for two minutes. On completion of the test, the hook shall show no sign of damage.

6.1.1 The test shall be repeated on each hook at the other end of the retractor also.

6.2 Corrosion Resistance — The instrument shall show no sign of corrosion when put to boiling and autoclaving test in accordance with IS : 7531-1975 'Method for boiling and autoclaving test for corrosion resistance of stainless steel surgical instruments'.

7. Marking — Each retractor shall be legibly and indelibly marked with the following:

- a) Manufacturer's name, initials or his recognized trade-mark; and
- b) Words 'Stainless Steel' or letters 'SS'.

7.1 ISI Certification Marking — Details available with the Indian Standards Institution.

8. Packing — As agreed to between the purchaser and the supplier.